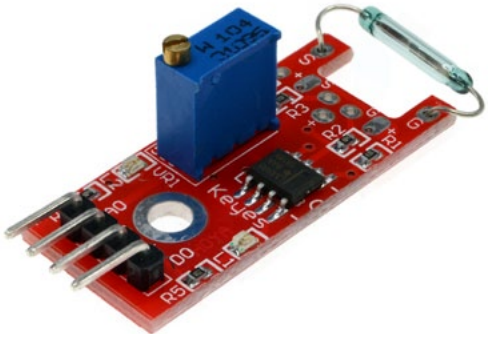
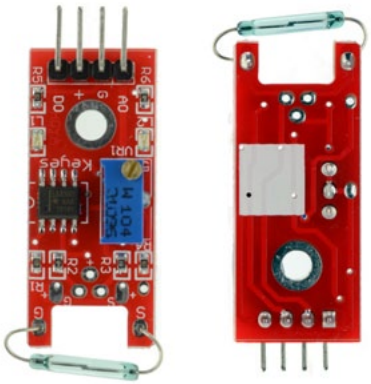
ARD 2 **Arduino Compatibles**
Controllers, Shields, Modules & Sensors

Reed Switch Sensor

ARD2-2060

- ***Ideal for magnetic detection & position detection***
- ***Wide voltage LM393 comparator***
- ***Fixed bolt hole for easy installation***
- ***Small board size***
- ***Effective sensing distance up to 5cm***





Description

This Magnetic Field Reed Switch Sensor stays open until it detects a magnetic field, causing it to close. It's sensitive up to a 5cm radius. Perfect for applications such as door security, magnetic detection, position detection and more.

Specifications

Operating Voltage	3.3–5.0V
PCB Dimensions	37mm x 15mm x 23mm (LxWxH)
Comparator Output Capacity	16mA
Output	Digital
Colour	Red
Material	PCB

Test Code

```
int Led = 13 ; / / define LED Interface
int buttonpin = 3; / / define the Reed sensor interfaces
int val ; / / define numeric variables val
void setup ()
{
  pinMode (Led, OUTPUT) ; / / define LED as output interface
  pinMode (buttonpin, INPUT) ; / / output interface as
defined Reed sensor
}
void loop ()
{
  val = digitalRead (buttonpin) ; / / digital interface
will be assigned a value of 3 to read val
  if (val == HIGH) / / When the Reed sensor detects a
signal, LED flashes
  {
    digitalWrite (Led, HIGH);
  }
  else
  {
    digitalWrite (Led, LOW);
  }
}
```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